## **PSMB2 Rabbit Polyclonal Antibody**



## **CAB5483**

**Product Information** 

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

23KDa

**Calculated MW:** 

22kDa

**Applications:** 

WB IHC IF IP

Reactivity:

Human, Mouse, Rat

**Protein Background** 

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Immunogen information

**Gene ID:** 5690

5050

Uniprot P49721

**Antibody Information** 

**Recommended dilutions:** 

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:200

Source:

Source Rabbit **Synonyms:** 

PSMB2; HC7-I

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-201 of human PSMB2 (NP\_002785.1).

Isotype: Storage:

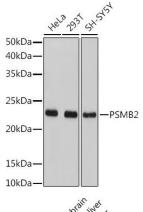
lgG Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%

sodium azide, 50% glycerol, pH7.3.

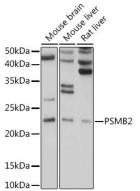
**Purification:** 

Affinity purification

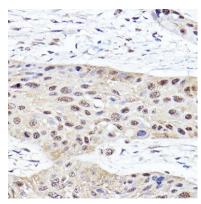
## **Product Images**



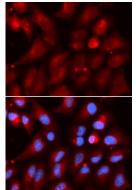
Western blot analysis of extracts of various cell lines, using PSMB2 antibody (CAB5483) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using PSMB2 antibody (CAB5483) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human esophageal cancer using PSMB2 Rabbit pAb (CAB5483) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using PSMB2 antibody (CAB5483). Blue: DAPI for nuclear staining.